

THE BRAIN: OUR SENSE OF SELF		
Alabama Science Standards – Life Science: Grade 7		
Lesson	Standard	Descriptor
1, 2, 3, 4	1	Describe characteristics common to living things, including growth and development, reproduction, cellular organization, use of energy, exchange of gases, and response to the environment. <ul style="list-style-type: none"> • Identifying homeostasis as the process by which an organism responds to its internal or external environment • Predicting how an organism’s behavior impacts the environment
2, 3, 4	3	Relate major tissues and organs of the skeletal, circulatory, reproductive, muscular, respiratory, nervous, and digestive systems to their functions. <ul style="list-style-type: none"> • Arranging in order the organizational levels of the human body from the cell through organ systems
4	7	Describe biotic and abiotic factors in the environment.
Alabama Science Standards – Physical Science: Grade 8		
3, 4	1	Identify steps within the scientific process. <ul style="list-style-type: none"> • Applying process skills to interpret data from graphs, tables, and charts • Identifying controls and variables in a scientific investigation • Measuring dimension, volume, and mass using Système International d'Unités (SI units) • Identifying examples of hypotheses • Identifying appropriate laboratory glassware, balances, time measuring equipment, and optical instruments used to conduct an investigation
Alabama Mathematics Standards – Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
4	1	Demonstrate computational fluency with addition, subtraction, multiplication, and division of decimals and fractions.
4	10	Interpret information from bar graphs, line graphs, and circle graphs.
Grade 7		
4	1	Demonstrate computational fluency with addition, subtraction, and multiplication of integers.
4	2	Use order of operations to evaluate numerical expressions.
4	3	Solve problems requiring the use of operations on rational numbers. <ul style="list-style-type: none"> • Describing the method used • Determining the reasonableness of results • Using percents to solve problems, including problems involving discounts, taxes, commissions, and simple interest

ALABAMA ALIGNMENT FOR NIH SUPPLEMENT THE BRAIN: OUR SENSE OF SELF

	6	Solve one- and two-step equations.
4	11	Solve problems involving ratios or rates, using proportional reasoning. <ul style="list-style-type: none"> • Converting units of length, weight, or capacity from metric to customary and from customary to metric
Grade 8		
4	1	Use various strategies and operations to solve problems involving real numbers.
4	13	Interpret data from populations, using given and collected data. <ul style="list-style-type: none"> • Representing the data with the most appropriate graph, including box-and-whisker plot, circle graph, and scatterplot
Alabama English Language Arts Standards: Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
All lessons	3	Apply strategies that include making complex predictions, identifying the likely source of a text, and comparing to comprehend sixth-grade informational and functional reading materials. <ul style="list-style-type: none"> • Drawing conclusions to extend meaning • Making generalizations • Using context clues to determine meaning • Identifying sequence of events • Previewing text features before reading
2, 3, 4, 5	4	Recognize the use of text elements, including implied main idea, explicit cause-effect relationships, and persuasive techniques, in sixth-grade informational and functional reading materials. <ul style="list-style-type: none"> • Identifying details related to main idea
5	8	Compose in persuasive mode for a specific purpose and audience, including clearly stated opinions with supporting details and reasons or examples to influence thought or action. <ul style="list-style-type: none"> • Using the steps of the writing process, including prewriting, drafting, revising, editing, and publishing in all forms of written composition • Demonstrating use of graphic organizers for prewriting and drafting • Organizing content of paragraphs and other written compositions, including topic sentences, supporting sentences, and concluding sentences with varied sentence structure • Using transitional words or phrases to help create coherence in compositions • Using tone appropriate to the topic, purpose, and audience
All lessons	9	Utilize vocabulary and spelling skills, including using homonyms, synonyms, and antonyms in writing.
All lessons	13	Utilize resource materials for supporting evidence in compositions.
All lessons	14	Use organizing and paraphrasing in the research process. <ul style="list-style-type: none"> • Taking notes to gather and summarize information
All lessons	17	Use listening skills for remembering significant details, directions, and sequences. <ul style="list-style-type: none"> • Summarizing messages for content and purpose

ALABAMA ALIGNMENT FOR NIH SUPPLEMENT THE BRAIN: OUR SENSE OF SELF

		<ul style="list-style-type: none"> • Practicing note-taking skills to gather and summarize information • Paraphrasing spoken messages to summarize or clarify • Recognizing propaganda as an art of persuasion in evaluating content and purpose
Grade 7		
Lesson	Standard	Descriptor
All lessons	4	<p>Apply strategies that include setting purposes for reading, distinguishing fact from opinion, making generalizations, and reviewing to comprehend informational and functional reading materials.</p> <ul style="list-style-type: none"> • Determining sequence of events to enhance text understanding • Using specific context clues to determine meaning of unfamiliar words • Applying self-monitoring strategies for text understanding • Drawing conclusions to determine unstated intent
2, 3, 4, 5	5	Recognize the use of textual elements, including main idea and supporting details, to gain information from various text formats, including graphs.
All lessons	9	<p>Compose in descriptive, narrative, expository, and persuasive modes with a thesis sentence and introductory, supporting, and concluding paragraphs when appropriate.</p> <p>Using transitional words and phrases for coherence</p>
All lessons	13	<p>Apply steps in the research process to identify a problem or issue, locate resources and information, and present findings.</p> <ul style="list-style-type: none"> • Taking notes to gather and summarize information
3, 4	14	<p>Present findings from inquiry and research using a variety of resources.</p> <ul style="list-style-type: none"> • Examples: projects, brochures, display boards, speeches, multimedia presentations
All lessons	15	Demonstrate listening skills, including identifying the main idea, detail, purpose, and bias in group discussions, public speeches, and media messages.
Grade 8		
Lesson	Standard	Descriptor
All lessons	4	<p>Apply strategies appropriate to type of reading material, including making inferences to determine bias or theme and using specific context clues, to comprehend eighth-grade informational and functional reading materials.</p> <ul style="list-style-type: none"> • Applying self-monitoring strategies for text understanding • Comparing predicted with actual content in informational and functional reading materials • Distinguishing fact from opinion in informational reading materials • Confirming author's credentials • Determining sequence of steps, events, or information
All lessons	8	Write in narrative, expository, and persuasive modes with attention to descriptive elements.
All lessons	14	Identify characteristics of spoken formal and informal language.

Alabama Health Education Standards: Grades 6 – 8		
Grade 6		
Lesson	Standard	Descriptor
4, 5	4	Recognize criteria to be used in determining reliability of health information, products, and services.
4	5	Describe practices that are related to the control of disease and other health problems.
4	7	Describe current issues that relate to healthy living.
All lessons	10	Apply effective verbal and nonverbal communication skills to enhance relationships.
5	16	Describe the interrelationship of adolescent health risk behaviors.
Grade 7		
Lesson	Standard	Descriptor
4, 5	1	Analyze how health-related decisions are influenced by individuals, families, and community values.
4, 5	4	Describe how health is affected by the environment.
4	6	Describe the influence of family history on the causes and prevention of disease and other health problems.
4	14	Describe the multiple impacts of disease and disability on the nervous, reproductive, digestive, and respiratory systems.
5	15	Analyze the short- and long-term effects of risk behaviors that compromise adolescent health.
Grade 8		
4, 5	2	Locate accurate health information for personal use. <ul style="list-style-type: none"> • Examples: cancer prevention—American Cancer Society; heart health—American Heart Association; respiratory health—American Lung Association; good mental health—school counselor, pediatrician
4	4	Recognize cultural influences that impact health behaviors.
4	5	Analyze how environment and personal health are interrelated.
4	6	Explain the impact of personal health behaviors on the functioning of body systems. <ul style="list-style-type: none"> • Examples: effects of sexual behavior on the reproductive system, effects of smoking on the respiratory system, effects of exposure to sun on development of abnormal cellular changes in the skin